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TITLE:

Slide bush of scroll compressor

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PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

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**BASIC-ABSTRACT:** 

NOVELTY - A <u>slide bush of a scroll compressor</u> is provided to reduce friction between a drive pin and a <u>slide bush</u> effectively through improved lubrication by supplying oil to a sliding face between the drive pin and the <u>slide bush</u> smoothly.

DETAILED DESCRIPTION - An oil feed groove(50) is formed in the center of a **slide bush** in a hermetic shell of a **scroll compressor**. The oil feed groove is formed in V or U shape on a sliding face between a drive pin(13) and a **slide bush**(19), a couple of opposed parallel faces(40S1) in a fitting hole(40) for inserting the drive pin into the upper end of a crankshaft(12). At least one and more faces of the parallel faces on both sectional areas(40S2) in the fitting hole are formed with an angle. When the **scroll compressor** is run, the crankshaft is rotated. The oil is pumped through an oil pickup hole(60) by an oil propeller and then pumped through the oil pickup hole at the upper end of the drive pin communicated with the crankshaft. The oil is supplied to the parallel faces in the fitting hole through the oil feed groove. Therefore,

friction between the drive pin and the <u>slide bush</u> is reduced.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: **SLIDE BUSH SCROLL COMPRESSOR** 

DERWENT-CLASS: Q56

